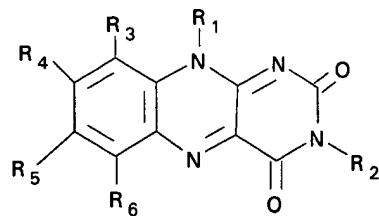


Amendments to the Claims:

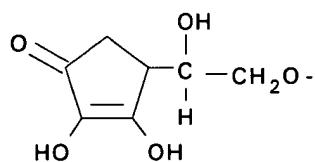
This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (withdrawn) A method for treating a fluid to neutralize microorganisms which may be present therein, said fluid containing one or more components selected from the group consisting of protein, blood, and blood constituents, said method comprising:
 - (a) adding to said fluid a neutralization-effective amount of a microorganism neutralizer of formula:

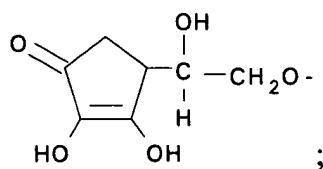


wherein R1, R2, R3, R4, R5 and R6 are, independently from one another, selected from the group consisting of hydrogen; -OH; NH₂; -SO₄; -PO₄; -Cl; -Br; -I; optionally substituted alkyl, alkenyl, alkynyl or aryl groups with from 1 to 20 carbon atoms; straight chain or cyclic saccharides with 5 or 6 carbon atoms;



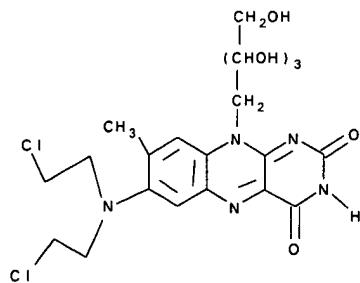
and amino acid groups; said groups optionally substituted with one or more of -O-, -S-, -OH, -NH₂, -SO₄, -PO₄, -Cl, -Br, and -I; and

-NR^a-(CR^bR^c)_n-X wherein X is a halogen selected from the group consisting of chlorine, bromine and iodine, R^a, R^b and R^c are, independently of each other, selected from the group consisting of hydrogen, optionally substituted alkyl, alkenyl, alkynyl or aryl groups with from 1 to 20 carbon atoms; straight chain or cyclic saccharides with 5 or 6 carbon atoms;



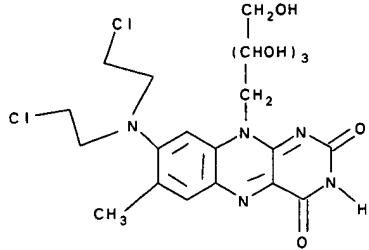
and amino acid groups; said groups optionally substituted with one or more of -O-, -S-, -OH, -NH₂, -SO₄, -PO₄, -Cl, -Br, -I; salts of the foregoing; and halogen selected from the group consisting of chlorine, bromine and iodine, and n is an integer from 0 to 20;

provided that R1 is neither H nor -OH nor a straight chain alkyl group where the second carbon of the chain is substituted with -OH or =O and R1, R4, R5 are not all methyl groups when R2, R3 and R6 are hydrogen; except that the compound may be

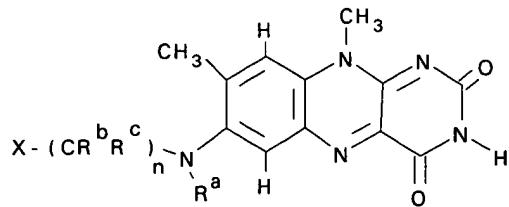


or

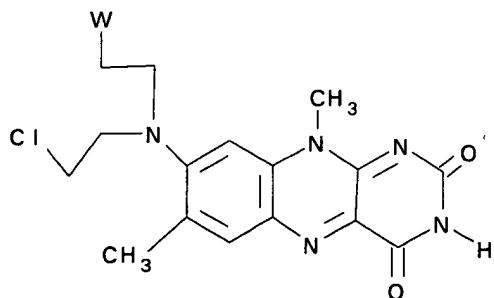
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and provided that the neutralizer is not:



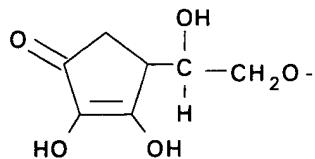
wherein X is a halogen selected from the group consisting of chlorine, bromine and iodine, R^a, R^b and R^c are, independently of each other, selected from the group consisting of hydrogen, optionally substituted hydrocarbyl, and halogen selected from the group consisting of chlorine, bromine and iodine, and n is an integer from 0 to 20; and provided that the neutralizer is not:



wherein W is a water soluble group; and

(b) exposing the fluid of step (a) to a triggering event whereby said microorganisms are neutralized.

2. (withdrawn) The method of claim 1, wherein R1, R2, R3, R4, R5 and R6 are, independently from one another, selected from the group consisting of hydrogen; straight chain or cyclic saccharides with 5 or 6 carbon atoms; amino acid groups; -NH₂; -SO₄; -PO₄; -Cl; -Br; -I;

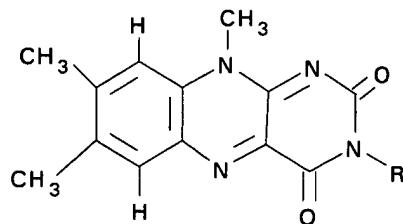


and alkyl, alkenyl, alkynyl or aryl groups with from 1 to 20 carbon atoms containing one or more members selected from the group consisting of: -O-, -C(=O), -C(=O)H, -C(=O)-OH, -OH, -NH₂, -SO₄, -PO₄, -Cl, -Br, and -I.

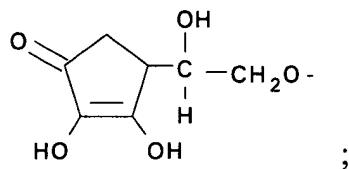
3. (withdrawn) The method of claim 1, wherein said triggering event is photoradiation sufficient to activate the microorganism neutralizer.

4. (withdrawn) The method of claim 1, wherein said triggering event is a pH sufficient to activate the microorganism neutralizer.

5. (withdrawn) The method of claim 4, wherein said pH is between about 5 and about 8.
6. (withdrawn) The method of claim 1 wherein said microorganisms are selected from the group consisting of bacteria, bacteriophages, and intracellular and extracellular viruses.
7. (withdrawn) The method of claim 1 wherein said microorganisms are bacteria.
8. (withdrawn) The method of claim 1, wherein said microorganisms are selected from the group consisting of HIV viruses, hepatitis viruses, sindbis virus, cytomegalovirus, vesicular stomatitis virus, herpes simplex viruses, vaccinia virus, human T-lymphotropic retroviruses, HTLV-III, lymphadenopathy virus LAV/IDAV, parvovirus, transfusion-transmitted (TT) virus, Epstein-Barr virus, bacteriophages ΦX174, Φ6, λ, R17, T₄, T₂, *P. aeruginosa*, *S. aureus*, *S. epidermidis*, *L. monocytogenes*, *E. coli*, *K. pneumoniae* and *S. marcescens*.
9. (withdrawn) The method of claim 1, wherein said microorganism neutralizer is



wherein R is selected from the group consisting of -OH; -NH₂; -SO₄; straight chain or cyclic saccharides with 5 or 6 carbon atoms;



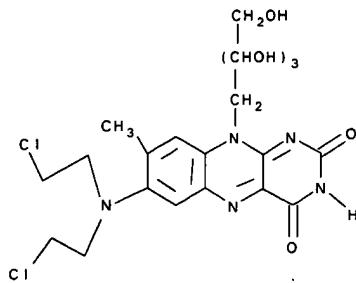
and alkyl, alkenyl, alkynyl or aryl groups with from 1 to 20 carbon atoms containing one or more members selected from the group consisting of: -O-, -SO₄, -PO₄, -OH and -NH₂.

10. (withdrawn) The method of claim 1, wherein said fluid comprises blood constituents.
11. (withdrawn) The method of claim 1, wherein said fluid comprises whole blood.
12. (withdrawn) The method of claim 1, wherein said fluid comprises a separated blood product.
13. (withdrawn) The method of claim 1, wherein said fluid comprises platelets separated from whole blood.
14. (withdrawn) The method of claim 1, wherein said fluid comprises red blood cells separated from whole blood.
15. (withdrawn) The method of claim 1, wherein said fluid comprises serum separated from whole blood.
16. (withdrawn) The method of claim 1, wherein said fluid comprises plasma separated from whole blood.

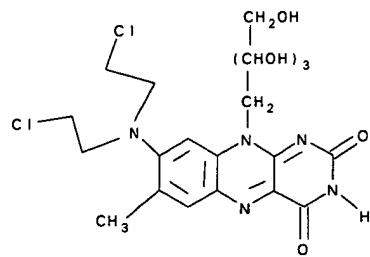
17. (withdrawn) The method of claim 1, wherein said fluid comprises a therapeutic protein composition.
18. (withdrawn) The method of claim 1, wherein said fluid contains a biologically-active protein selected from the group consisting of: factor VIII, Von Willebrand factor, factor IX, factor X, factor XI, Hageman factor, prothrombin, anti-thrombin III, fibronectin, plasminogen, plasma protein fraction, peritoneal dialysis solutions, immune serum globulin, modified immune globulin, albumin, plasma growth hormone, somatomedin, plasminogen streptokinase complex, ceruloplasmin, transferrin, haptoglobin, antitrypsin and prekallikrein.
19. (withdrawn) The method of claim 1, wherein said microorganism neutralizer is added to anticoagulant and said anticoagulant is added to said fluid.
20. (withdrawn) The method of claim 1, wherein an enhancer is added to said fluid prior to exposing said fluid to said triggering event.
21. (withdrawn) The method of claim 20, wherein said enhancer is selected from the group consisting of adenine, histidine, cysteine, tyrosine, tryptophan, ascorbate, -acetyl-L-cysteine, propyl gallate, glutathione, mercaptopropionylglycine, dithiothreitol, nicotinamide, BHT, BHA, lysine, serine, methionine, glucose, mannitol, trolox, glycerol, and mixtures thereof.
22. (withdrawn) The method of claim 1 , wherein if said microorganism neutralizer produces photolytic products, the photolytic products are of low or no toxicity to humans or animals.

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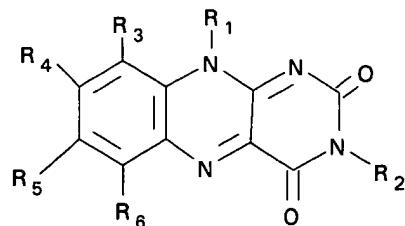
23. (withdrawn) The method of claim 1, wherein said microorganism neutralizer is:



24. (withdrawn) The method of claim 1, wherein said microorganism neutralizer is:

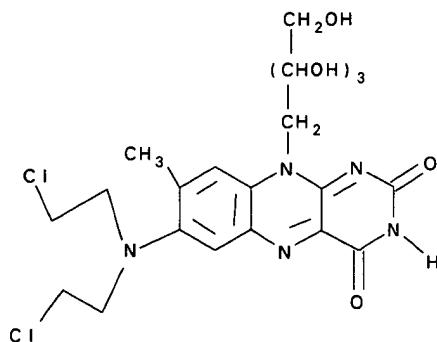


25. (withdrawn) A method for treating a fluid to neutralize microorganisms which may be present therein, said method comprising:
(a) adding to said fluid a neutralization-effective amount of a microorganism neutralizer of formula:



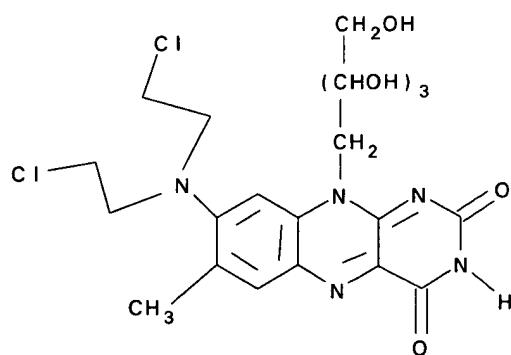
wherein R1, R2, R3, R4, R5 and R6 are, independently from one another, selected from the group consisting of hydrogen; -OH; -NH₂; -SO₄; -PO₄; -Cl; -Br; -I; optionally substituted alkyl, alkenyl, alkynyl or aryl groups with from 1 to 20 carbon atoms, said groups optionally substituted with one or more of -O-, -S-, -OH, -NH₂, -SO₄, -PO₄, -Cl, -Br, and -I; salts of the foregoing;

and -NR^a-(CR^bR^c)_n-X wherein X is a halogen selected from the group consisting of chlorine, bromine and iodine, R^a, R^b and R^c are, independently of each other, selected from the group consisting of hydrogen; optionally substituted alkyl, alkenyl, alkynyl and aryl groups with from 1 to 20 carbon atoms, said groups optionally substituted with one or more of -O-, -S-, -OH, -NH₂, -SO₄, -PO₄, -Cl, -Br, -I; and halogen selected from the group -Cl, -Br, and -I; and n is an integer from 0 to 20; provided that R1 is not -OH or a straight chain alkyl group where the second carbon of the chain is substituted with -OH or =O except that the compound may be

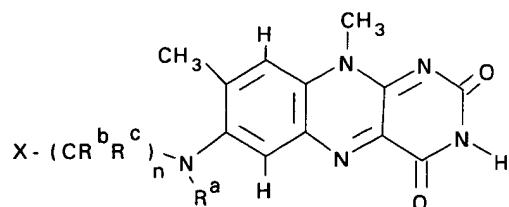


or

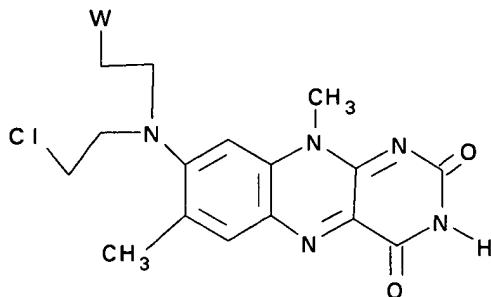
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and provided that R1, R4, R5 are not all methyl groups when R2, R3 and R6 are all hydrogen; and provided that the neutralizer is not:



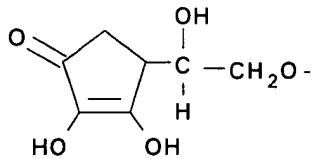
wherein X is a halogen selected from the group consisting of chlorine, bromine and iodine, R^a, R^b and R^c are, independently of each other, selected from the group consisting of hydrogen, optionally substituted hydrocarbyl, and halogen selected from the group consisting of chlorine, bromine and iodine, and n is an integer from 0 to 20; and provided that the compound is not:



wherein W is a water soluble group; and

(b) exposing the fluid of step (a) to a triggering event whereby said microorganisms are neutralized.

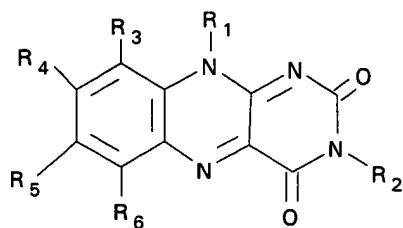
26. (withdrawn) The method of claim 25, wherein R1, R2, R3, R4, R5 and R6 are, independently from one another, selected from the group consisting of hydrogen; straight chain or cyclic saccharides having 5 or 6 carbon atoms; amino acid; -OH; -NH₂; -SO₄; -PO₄; -Cl; -Br; -I;



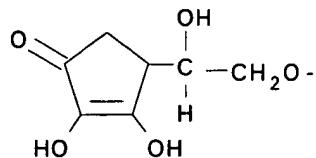
and optionally substituted alkyl, alkenyl, aryl and alkynyl groups with from 1 to 20 carbon atoms containing one or more members selected from the group consisting of: -O-, -C(=O), -C(=O)H, -C(=O)-OH, -OH, -NH₂, -SO₄, -PO₄, -Cl, -Br and -I.

27. (withdrawn) The method of claim 25, wherein said fluid is a food product.

28. (withdrawn) The method of claim 25, wherein said fluid is a drink meant for human or animal consumption.
29. (withdrawn) The method of claim 25, wherein said fluid is a peritoneal dialysis solution.
30. (withdrawn) A method of neutralizing microorganisms on a surface, comprising:
 - (a) applying to said surface an neutralization-effective amount of a compound of formula:

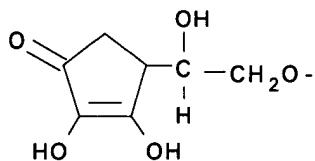


wherein R1, R2, R3, R4, R5 and R6 are, independently from one another, selected from the group consisting of hydrogen; -OH; NH₂, -SO₄, -PO₄, -Cl, -Br, -I ; straight chain or cyclic saccharides with 5 or 6 carbon atoms; amino acid groups;



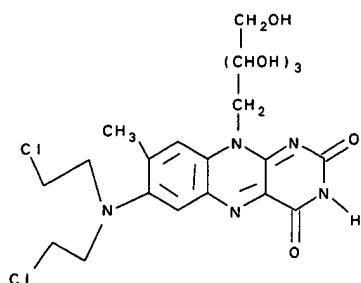
optionally substituted alkyl, alkenyl, alkynyl or aryl groups with from 1 to 20 carbon atoms, said groups optionally substituted with one or more of -O-, -S-, -OH, -NH₂,

-SO₄, -PO₄, -Cl, -Br, -I; salts of the foregoing;
and -NR^a-(CR^bR^c)_n-X wherein X is a halogen selected from the group consisting of chlorine, bromine and iodine, R^a, R^b and R^c are, independently of each other, selected from the group consisting of hydrogen; straight chain or cyclic saccharides with 5 or 6 carbon atoms;

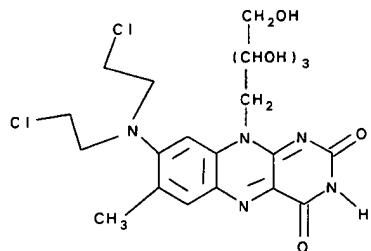


amino acid groups; optionally substituted alkyl, alkenyl, alkynyl or aryl groups with from 1 to 20 carbon atoms, said groups optionally substituted with one or more of -O-, -S-, -OH, -NH₂, -SO₄, -PO₄, -Cl, -Br, -I; and halogen selected from the group consisting of chlorine, bromine and iodine, and n is an integer from 0 to 20;

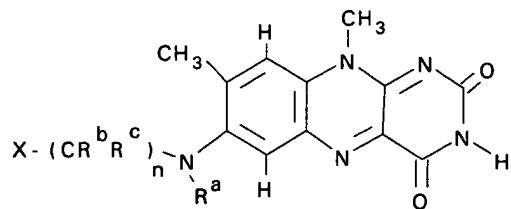
provided that R1 is neither H nor -OH nor a straight chain alkyl group where the second carbon of the chain is substituted with -OH or =O except that the compound may be



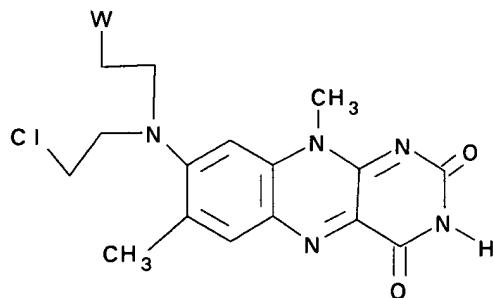
or



and provided that R1, R4, R5 are not all methyl groups when R2, R3 and R6 are all hydrogen; and provided that the neutralizer is not:



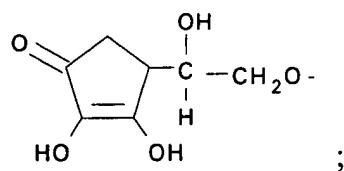
wherein X is a halogen selected from the group consisting of chlorine, bromine and iodine, R^a, R^b and R^c are, independently of each other, selected from the group consisting of hydrogen, optionally substituted hydrocarbyl, and halogen selected from the group consisting of chlorine, bromine and iodine, and n is an integer from 0 to 20; and provided that the compound is not:



wherein W is a water soluble group; and

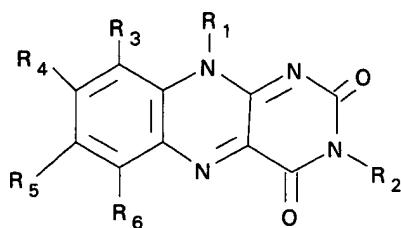
(b) exposing said surface to a triggering event whereby said microorganisms are neutralized

31. (withdrawn) The method of claim 30, wherein R1, R2, R3, R4, R5 and R6 are, independently from one another, selected from the group consisting of hydrogen; straight chain or cyclic saccharides with 5 or 6 carbon atoms; amino acid groups; -OH; -NH₂; -SO₄; -PO₄; -Cl; -Br; -I;



and alkyl, alkenyl, alkynyl or aryl groups with from 1 to 20 carbon atoms containing one or more members selected from the group consisting of: -O-, -C(=O), -C(=O)H, -C(=O)-OH, -Cl, -Br, -I, -OH, -NH₂, -SO₄, and -PO₄.

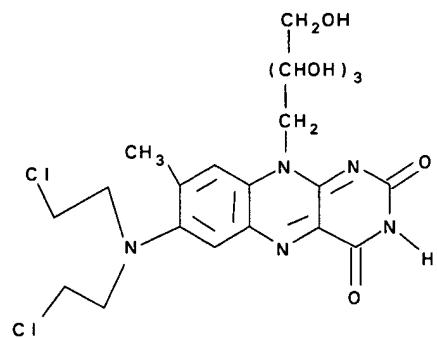
32. (withdrawn) The method of claim 30, wherein said surface is a food surface.
33. (withdrawn) The method of claim 30, wherein said surface is the surface of an animal carcass.
34. (withdrawn) The method of claim 30, wherein said surface is a food-preparation surface.
35. (withdrawn) The method of claim 30, wherein said surface is a surface of a bathing or washing vessel.
36. (withdrawn) The method of claim 30, wherein said surface is a wound surface.
37. (withdrawn) A fluid comprising biologically active protein, blood or blood constituents, and microorganism neutralizer, made by the method of claim 1.
38. (withdrawn) A blood product comprising a microorganism neutralizer, made by the method of claim 1.
39. (currently amended) A non-toxic composition comprising:
 - (a) a member selected from the group consisting of biologically active protein derived from blood, blood, and blood constituents other than water; and
 - (b) a water soluble blood product additive photosensitizer for inactivating microorganisms suitable for administration to a patient having the structure:



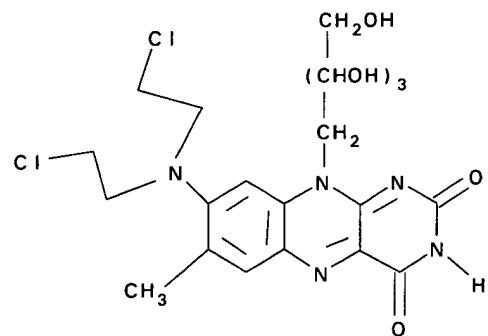
wherein R1, R2, R3, R4, R5 and R6 are, independently from one another, selected from the group consisting of hydrogen; -OH; -NH₂; -SO₄; -PO₄; -Cl; -Br; -I; straight chain or cyclic saccharides with 5 or 6 carbon atoms; ascorbate; amino acid groups; optionally substituted alkyl, alkenyl, alkynyl or aryl groups with from 1 to 20 carbon atoms said alkyl, alkenyl, alkynyl or aryl groups optionally substituted with one or more of -O-, -S-, -OH, -SH, -COH, -CO₂H, -NH₂, -SO₄, -PO₄, -F, -Cl, -Br, -I; and -NR^a-(CR^bR^c)_n-X wherein n is an integer from 0 to 20, X is a halogen selected from the group consisting of chlorine, bromine and iodine, R^a, R^b and R^c are, independently of each other, selected from the group consisting of hydrogen; straight chain or cyclic saccharides with 5 or 6 carbon atoms; ascorbate; amino acid groups; optionally substituted alkyl, alkenyl, alkynyl or aryl groups with from 1 to 20 carbon atoms said alkyl, alkenyl, alkynyl or aryl groups optionally substituted with one or more of -O-, -S-, -OH, -SH, -COH, -CO₂H, -NH₂, -SO₄, -PO₄, -F, -Cl, -Br, -I; and salts of the foregoing;

provided that R1, R4, R5 are not all methyl groups when all of R2, R3 and R6 are hydrogens, and provided that R1 is neither H nor -OH nor a straight chain alkyl group where the second carbon of the chain is substituted with -OH or =O except that the compound may be

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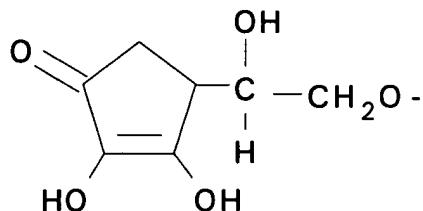


or



40. (currently amended) The compound composition of claim 39, wherein in the photosensitizer, more than one of R1, R2, R3, R4, R5 and R6 are neither CH₃ nor H.
41. (currently amended) The compound composition of claim 40, wherein in the photosensitizer, more than one of R2, R3, R4, R5 and R6 are neither H nor CH₃.
42. (currently amended) The compound composition of claim 40, wherein in the photosensitizer, a R1, R2, R3, R4, R5 and R6 that is neither CH₃ nor H imparts substantial water solubility to the compound.
43. (currently amended) The compound composition of claim 42, wherein in the photosensitizer, said R1, R2, R3, R4, R5 and R6 is selected from the group consisting of:

straight chain or cyclic saccharides with 5 or 6 carbon atoms;



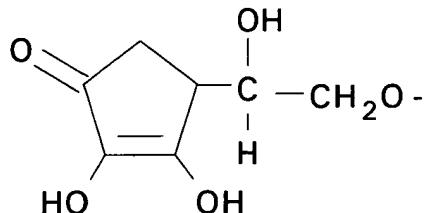
and alkyl, alkenyl, alkynyl or aryl groups with 1 to 20 carbon atoms containing

one or more members selected from the group consisting of: -O-, -OH, -NH₂, -SO₄, -PO₄.

44. (currently amended) The compound composition of claim 43, wherein in the photosensitizer, R3 and R6 are H.
45. (currently amended) The compound composition of claim 40, wherein in the photosensitizer, at least one of R1, R2, R3, R4, R5 and R6 contains a halogen selected from the group consisting of chlorine, bromine and iodine.
46. (currently amended) The compound composition of claim 45, wherein in the photosensitizer, at least one of R1, R2, R3, R4, R5 and R6 is -(CH₂)_n-X, wherein n is either 1 or 2, and X is a halogen selected from the group consisting of chlorine, bromine and iodine.
47. (currently amended) The compound composition of claim 45, wherein in the photosensitizer, at least one of the halogenated R1, R2, R3, R4, R5 and R6 is -NR(CH₂)_n-X, wherein R is hydrogen or straight chain alkyl group consisting of one to 6 carbon atoms, n is an integer from 0 to 6, and X is selected from the group consisting of chlorine, bromine and iodine.
48. (currently amended) The compound composition of claim 45 wherein in the photosensitizer, R4 or R5 is -NR(CH₂)_n-X, wherein R is hydrogen or straight chain alkyl group consisting of one to 6 carbon atoms, n is an integer from 0 to 6, and X is selected from the group consisting of chlorine, bromine and iodine.
49. (currently amended) The compound composition of claim 39, wherein in the

photosensitizer, one of R1, R2, R3, R4, R5 and R6 is neither CH₃ nor H.

50. (currently amended) The compound composition of claim 49, wherein in the photosensitizer, the R1, R2, R3, R4, R5 and R6 that is neither CH₃ nor H imparts substantial water solubility to the compound.
51. (currently amended) The compound composition of claim 50, wherein in the photosensitizer, the R1, R2, R3, R4, R5 and R6 that imparts substantial water solubility to the compound is selected from the group consisting of: straight chain or cyclic saccharides having 5 or 6 carbon atoms; -OH; -NH₂; -SO₄; -PO₄;

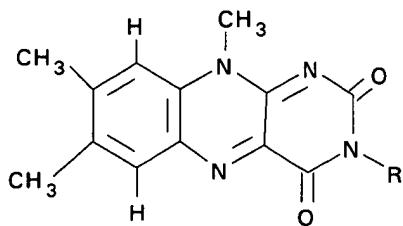


and alkyl, alkenyl, alkynyl or aryl groups containing one or more members selected from the group consisting of: -OH, -O-, -S-, -NH₂, -SO₄, and -PO₄.

52. (currently amended) The compound composition of claim 51, wherein in the photosensitizer, R2, R3, R4, R5 or R6 is neither H nor CH₃.
53. (currently amended) The compound composition of claim 51, wherein in the photosensitizer, R3 and R6 are H.
54. (currently amended) The compound composition of claim 49, wherein in the

photosensitizer, one of R1, R2, R3, R4, R5 and R6 is halogenated, wherein the halogen is selected from the group consisting of chlorine, bromine and iodine.

55. (currently amended) The compound composition of claim 54, wherein in the photosensitizer, one of R1, R2, R3, R4, R5 and R6 is $-(CH_2)_n-X$, wherein n is either 1 or 2, X is a halogen selected from the group consisting of chlorine, bromine and iodine.
56. (currently amended) The compound composition of claim 54, wherein in the photosensitizer, one of R1, R2, R3, R4, R5 and R6 is $-NR(CH_2)_n-X$, wherein R is hydrogen or straight chain alkyl group consisting of one to 6 carbon atoms, n is an integer from 0 to 6, and X is selected from the group consisting of chlorine, bromine and iodine.
57. (currently amended) The compound composition of claim 56 wherein in the photosensitizer, R4 or R5 is $-NR(CH_2)_n-X$, wherein R is hydrogen or straight chain alkyl group consisting of one to 6 carbon atoms, n is an integer from 0 to 6, and X is selected from the group consisting of chlorine, bromine and iodine.
58. (currently amended) The compound composition of claim 39 wherein in the photosensitizer, at least one of R1, R2, R3, R4, R5 and R6 are branched or unbranched alkyl groups having 1 to 20 carbon atoms substituted with at least one -OH group.
59. (currently amended) The compound composition of claim 39 having wherein the photosensitizer has the structure:



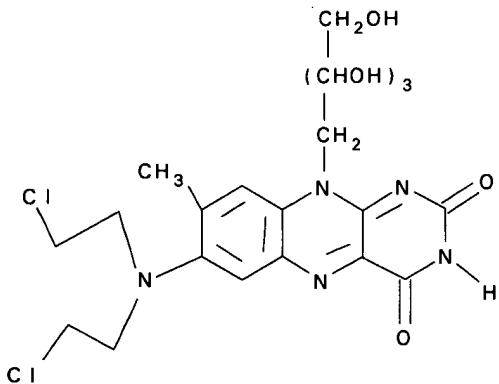
wherein R is selected from the group consisting of: straight chain or cyclic saccharides having 5 or 6 carbon atoms; -OH-; -NH₂; -SO₄; -PO₄; and alkyl, alkenyl, alkynyl or aryl groups having from 1 to 20 carbon atoms containing one or more members selected from the group consisting of: -O-; -OH-; -NH₂; -SO₄; and -PO₄.

60. (cancelled) The compound of claim 39 wherein at least one of R1, R2, R3, R4, R5 and R6 are alkylating agents.
61. (cancelled) The compound of claim 39 wherein at least one of R1, R2, R3, R4, R5 and R6 are substituents that cause the compound to be substantially nonreactive to microorganisms at substantially neutral pH and active toward microorganism neutralization at the pH of the biological fluid.
62. (previously presented) The compound having the structure:

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63. (previously presented) The compound having the structure:

